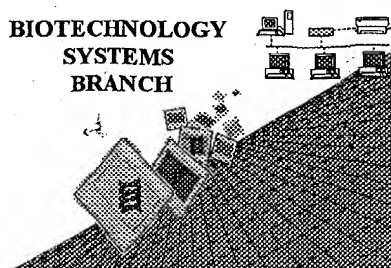


RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



RECEIVED

NOV 29 2001

TECH CENTER 1600/2900

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/269,250C

Source: 1600

Date Processed by STIC: 11/12/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

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NOV 29 2001

1600

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001

TIME: 16:22:35

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

3 <110> APPLICANT: Goulmy, Elsa
 5 <120> TITLE OF INVENTION: METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN
 6 HA-1
 8 <130> FILE REFERENCE: 2799/58994
 10 <140> CURRENT APPLICATION NUMBER: 09/269,250C
 C--> 11 <141> CURRENT FILING DATE: 1999-05-21
 13 <160> NUMBER OF SEQ ID NOS: 38
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 377
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Human
 22 <400> SEQUENCE: 1
 23 gtgagagcca cggggacacc gaggcctggg tggagacag agccagaccc aagggaggat 60
 24 ggagggaggg acttggggag gctcagaagg gagggaggct cagatggcag ggagggctgt 120
 25 gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttgg tgggggagtc 180
 26 cctgagcgta cactggctca agagggtgcc cactttattt tttttaaagg atctgatggc 240
 27 aattaggagg gaaaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga 300
 28 gaatgcattt gggggccaag gtgtgggggtg ccgctggtgt aggatgaagg catgacaacg 360
 29 ccaggcagaa gggcaat 377
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 20
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 40 <400> SEQUENCE: 2
 41 gtgctgcctc ctggacactg 20
 44 <210> SEQ ID NO: 3
 45 <211> LENGTH: 20
 46 <212> TYPE: DNA
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 52 <400> SEQUENCE: 3
 53 tggctctcac cgtcatgcag 20
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 20
 58 <212> TYPE: DNA
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 64 <400> SEQUENCE: 4
 65 tggctctcac cgtcacgcaa 20
 68 <210> SEQ ID NO: 5
 69 <211> LENGTH: 20
 70 <212> TYPE: DNA

4-5
 Does Not Comply
 Corrected Diskette Needed

RAW SEQUENCE LISTING

DATE: 11/12/2001

PATENT APPLICATION: US/09/269,250C

TIME: 16:22:35

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
76 <400> SEQUENCE: 5
77 gcattctctg tttccgtggtt 20
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 20
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
88 <400> SEQUENCE: 6
89 cttaaggagt gtgtgctgca 20
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 20
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
100 <400> SEQUENCE: 7
101 cttaaggagt gtgtgttgcg 20
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 20
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
112 <400> SEQUENCE: 8
113 gctgtcatgg cctcttccac 20
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 20
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
124 <400> SEQUENCE: 9
125 gcattctctg tttccgtggtt 20
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 20
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
136 <400> SEQUENCE: 10
137 ggcagagagc cctcgcagcc 20
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 18
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001

TIME: 16:22:35

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
148 <400> SEQUENCE: 11
149 gtgtgttgcg tgacggtg 18
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 15
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
160 <400> SEQUENCE: 12
161 gtgtgttgcg tgacg 15
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 16
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
172 <400> SEQUENCE: 13
173 tgtgtgttgcg gtgacg 16
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 19
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
184 <400> SEQUENCE: 14
185 tgtgtgctgc atgacggtg 19
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 18
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
196 <400> SEQUENCE: 15
197 tgtgtgctgc atgacggt 18
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
208 <400> SEQUENCE: 16
209 gtgtgctgca tgacggtg 18
211 <210> SEQ ID NO: 17
212 <211> LENGTH: 27
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 11/12/2001

PATENT APPLICATION: US/09/269,250C

TIME: 16:22:35

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

217 <221> NAME/KEY: CDS
 218 <222> LOCATION: (1)..(27)
 220 <220> FEATURE:
 221 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
 222 Fragments
 224 <400> SEQUENCE: 17
 225 gtg ttg cgt gac gac ctc ctt gag gcc 27
 226 Val Leu Arg Asp Asp Leu Leu Glu Ala
 227 1 5
 230 <210> SEQ ID NO: 18
 231 <211> LENGTH: 9
 232 <212> TYPE: PRT
 233 <213> ORGANISM: Artificial Sequence
 W--> 234 ~~<220> FEATURE:~~ *insert this mandatory name identifier*
 234 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon *wherever*
 237 <400> SEQUENCE: 18
 238 Val Leu Arg Asp Asp Leu Leu Glu Ala
 239 1 5
 243 <210> SEQ ID NO: 19
 244 <211> LENGTH: 27
 245 <212> TYPE: DNA
 246 <213> ORGANISM: Artificial Sequence
 248 <220> FEATURE:
 249 <221> NAME/KEY: CDS
 250 <222> LOCATION: (1)..(27)
 252 <220> FEATURE:
 253 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
 254 Fragments
 256 <400> SEQUENCE: 19
 257 gtg ctg cat gac gac ctc ctt gag gcc 27
 258 Val Leu His Asp Asp Leu Leu Glu Ala
 259 1 5
 262 <210> SEQ ID NO: 20
 263 <211> LENGTH: 9
 264 <212> TYPE: PRT
 265 <213> ORGANISM: Artificial Sequence
 W--> 266 ~~<220> FEATURE:~~ *insert*
 266 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
 269 <400> SEQUENCE: 20
 270 Val Leu His Asp Asp Leu Leu Glu Ala
 271 1 5
 275 <210> SEQ ID NO: 21
 276 <211> LENGTH: 23
 277 <212> TYPE: DNA
 278 <213> ORGANISM: Artificial Sequence
 280 <220> FEATURE:
 281 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
 282 Fragments
 284 <400> SEQUENCE: 21

<221>, <222>, &
 <223> is shown

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001

TIME: 16:22:36

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

285 gtgttgctg acggtgagag cca 23
 288 <210> SEQ ID NO: 22
 289 <211> LENGTH: 37
 290 <212> TYPE: DNA
 291 <213> ORGANISM: Artificial Sequence
 293 <220> FEATURE:
 294 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
 295 Fragments
 297 <400> SEQUENCE: 22
 298 ctcaactccga ctctccccag cagacctctt tgaggcc 37
 300 <210> SEQ ID NO: 23
 301 <211> LENGTH: 33
 302 <212> TYPE: DNA
 303 <213> ORGANISM: Artificial Sequence
 305 <220> FEATURE:
 306 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 308 <400> SEQUENCE: 23
 309 ccggcatgga cgtcgtcgag gacatctccc atc 33
 312 <210> SEQ ID NO: 24
 313 <211> LENGTH: 30
 314 <212> TYPE: DNA
 315 <213> ORGANISM: Artificial Sequence
 317 <220> FEATURE:
 318 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 320 <400> SEQUENCE: 24
 321 ctacttcagg ccacagcaat cgtctccagg 30
 323 <210> SEQ ID NO: 25
 324 <211> LENGTH: 39
 325 <212> TYPE: DNA
 326 <213> ORGANISM: Artificial Sequence
 328 <220> FEATURE:
 329 <221> NAME/KEY: CDS
 330 <222> LOCATION: (1)..(39)
 332 <220> FEATURE:
 333 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Product
 335 <400> SEQUENCE: 25
 336 gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgc cgc 39
 337 Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
 338 1 5 10
 341 <210> SEQ ID NO: 26
 342 <211> LENGTH: 13
 343 <212> TYPE: PRT
 344 <213> ORGANISM: Artificial Sequence
 W--> 345 <220> FEATURE: *insert*
 345 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Product
 347 <400> SEQUENCE: 26
 348 Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
 349 1 5 10
 353 <210> SEQ ID NO: 27

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

PKS → Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 11/12/2001

PATENT APPLICATION: US/09/269,250C

TIME: 16:22:37

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:234 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:266 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:345 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:375 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:482 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37